

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE.

FRANCIS A. WALKER, Superintendent,
Appointed April 1, 1879; resigned November 2, 1881.

CHAS. W. SEATON, Superintendent,
Appointed November 4, 1881.

REPORT

ON THE

FORESTS OF NORTH AMERICA
(EXCLUSIVE OF MEXICO),

BY

CHARLES S. SARGENT,
ARNOLD PROFESSOR OF ARBORICULTURE IN HARVARD COLLEGE,
SPECIAL AGENT TENTH CENSUS.

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LETTER OF TRANSMITTAL.

DEPARTMENT OF THE INTERIOR,

CENSUS OFFICE,

Washington, D. C., September 1, 1884.

Hon. H. M. TELLER,

Secretary of the Interior.

SIR: I have the honor to transmit herewith the Report on the Forests of North America (exclusive of Mexico), by Charles S. Sargent, Arnold Professor of Arboriculture in Harvard College.

This report constitutes the ninth volume of the series forming the final report on the Tenth Census.

I have the honor to be, most respectfully, your obedient servant,

CHAS. W. SEATON,

Superintendent of Census.

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LETTER OF TRANSMITTAL

BROOKLINE, MASSACHUSETTS, *July 1, 1883.*

TO THE SUPERINTENDENT OF CENSUS.

SIR: I have the honor to submit the following report upon the nature and condition of the forests of the United States, to which are added statistics of the lumber and other industries directly dependent upon the forest for their support.

Mr. Andrew Robeson, of Brookline, Massachusetts, has prepared the maps which accompany this report; he has supervised the entire statistical work of this division and has conducted its correspondence.

Mr. Stephen P. Sharples, of Cambridge, Massachusetts, has conducted the various experiments undertaken with the view of determining the value of the different woods produced in the forests of the United States.

Mr. C. G. Pringle, of East Charlotte, Vermont, has examined the forests of northern New England and New York, Pennsylvania, and West Virginia; and subsequently, as an agent for the American Museum of Natural History, has greatly increased our knowledge of the trees of Arizona and southern California.

Mr. A. H. Curtiss, of Jacksonville, Florida, has studied the forests of Georgia and Florida, and subsequently, as an agent of the American Museum of Natural History, has added to our knowledge of the semi-tropical forests of southern Florida.

Dr. Charles Mohr, of Mobile, Alabama, has explored the forests of the Gulf states.

Mr. H. C. Putnam, of Eau Claire, Wisconsin, has gathered the forest statistics of Pennsylvania, Michigan, Wisconsin, and Minnesota.

Mr. George W. Letterman, of Allenton, Missouri, has examined the forests extending west of the Lower Mississippi River, and Professor F. L. Harvey, of Fayetteville, Arkansas, has gathered the forest statistics of that state.

Mr. Sereno Watson, of Cambridge, Massachusetts, has studied, during a long and arduous journey, the forests of the northern Rocky Mountain region, and Mr. Robert Douglas, of Waukegan, Illinois, those of the Black hills of Dakota.

I take this opportunity to call your attention to the faithful and admirable manner in which my associates have performed the difficult duties to which they were assigned; their zeal and intelligence have made possible the preparation of this report.

It is my pleasant duty also to call your attention to the fact that this investigation has been greatly aided from the first by the experience and knowledge of Messrs. G. M. Dawson, John Macoun, and Robert Bell, members of the Geological Survey of Canada; the information in regard to the distribution northward of the trees of the eastern United States is entirely derived from the latter's paper upon the Canadian forests, published in the Report of the Geological Survey of Canada for the years 1879-'80.

I am under special obligation to Dr. George Engelmann, of Saint Louis, Missouri, my companion in a long journey through the forests of the Pacific region, for valuable assistance and advice; his unrivaled knowledge of our oaks, pines, firs, and other trees has been lavishly placed at my disposal.

Mr. M. S. Bebb, of Rockford, Illinois, the highest American authority upon the willow, has given me the benefit of his critical advice in the study of this difficult genus. I desire to express to him and to Dr. Laurence Johnson, of New York, who has furnished me with a full series of notes upon the medical properties of the trees of the United States, the deep sense of my obligation. My thanks are also due to Mr. Henry Gannett, Geographer of the Tenth Census, for cordial co-operation in the work of this division; to Colonel T. T. S. Laidley, of the United States army, in command of the arsenal at Watertown, Massachusetts, and to Mr. James E. Howard, in charge of the testing machine there, for advice and assistance afforded Mr. Sharples while conducting the experiments upon the strength of woods, as well as to a large number of correspondents in all parts of the United States who have favored me with their cordial co-operation.

I am, sir, your obedient servant,

CHARLES S. SARGENT,
Special Agent.